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 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  NOV 21  CAS patent coverage to include exemplified prophetic
                  substances identified in English-, French-, German-,
                  and Japanese-language basic patents from 2004-present
 NEWS  3  NOV 26  MARPAT enhanced with FSORT command
 NEWS  4  NOV 26  MEDLINE year-end processing temporarily halts
                  availability of new fully-indexed citations
 NEWS  5  NOV 26  CHEMSAFE now available on STN Easy
 NEWS  6  NOV 26  Two new SET commands increase convenience of STN
                  searching
 NEWS  7  DEC 01  ChemPort single article sales feature unavailable
 NEWS  8  DEC 12  GBFULL now offers single source for full-text
                  coverage of complete UK patent families
 NEWS  9  DEC 17  Fifty-one pharmaceutical ingredients added to PS
 NEWS 10  JAN 06  The retention policy for unread STNmail messages
                  will change in 2009 for STN-Columbus and STN-Tokyo
 NEWS 11  JAN 07  WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
                  Classification Data

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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 NEWS IPC8     For general information regarding STN implementation of IPC 8

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specific topic.

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FILE 'HOME' ENTERED AT 01:14:24 ON 15 JAN 2009

=> file medline, agricola, caba, caplus, biosis, biotechno
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.22       0.22

FILE 'MEDLINE' ENTERED AT 01:14:58 ON 15 JAN 2009
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FILE 'AGRICOLA' ENTERED AT 01:14:58 ON 15 JAN 2009

FILE 'CABA' ENTERED AT 01:14:58 ON 15 JAN 2009
COPYRIGHT (C) 2009 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 01:14:58 ON 15 JAN 2009
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FILE 'BIOSIS' ENTERED AT 01:14:58 ON 15 JAN 2009
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FILE 'BIOTECHNO' ENTERED AT 01:14:58 ON 15 JAN 2009
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=> s indica and (godavari or salween) and (transformed or transgenic)
L1           1 INDICA AND (GODAVARI OR SALWEEN) AND (TRANSFORMED OR TRANSGENIC)


=> d l1 ti

L1   ANSWER 1 OF 1  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
TI   Transgenic rice expressing Allium sativum leaf agglutinin (ASAL)
     exhibits high-level resistance against major sap-sucking pests.


=> d l1 bib

L1   ANSWER 1 OF 1  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
AN   2009:11461  BIOSIS
DN   PREV200900011461
TI   Transgenic rice expressing Allium sativum leaf agglutinin (ASAL)
     exhibits high-level resistance against major sap-sucking pests.
AU   Yarasi, Bharathi; Sadumpati, Vijayakumar; Immanni, China Pasalu; Vudem,
     Dasavantha Reddy; Khareedu, Venkateswara Rao [Reprint Author]
CS   Osmania Univ, Ctr Plant Mol Biol, Hyderabad 500007, Andhra Pradesh, India
     bharathi_yerasi@yahoo.co.in; vijaycpmb@yahoo.com; icpasalu@yahoo.com;
     vdreddycpmb@yahoo.com; rao_kv1@rediffmail.com
SO   BMC Plant Biology, (OCT 14 2008) Vol. 8, pp. Article No.: 102.
     ISSN: 1471-2229.
DT   Article
LA   English
OS   GenBank-DQ525625; EMBL-DQ525625; DDJB-DQ525625; GenBank-ABF70332;
     EMBL-ABF70332; DDJB-ABF70332; GenBank-AAW48531; EMBL-AAW48531;
     DDJB-AAW48531; GenBank-AAB64238; EMBL-AAB64238; DDJB-AAB64238
ED   Entered STN: 17 Dec 2008
     Last Updated on STN: 17 Dec 2008


=> s indica and (godavari or salween)
L2           20 INDICA AND (GODAVARI OR SALWEEN)

=> s l2 not l1
L3           19 L2 NOT L1

=> duplicate remove l3
DUPLICATE PREFERENCE IS 'CABA, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L3
L4           17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
```

=> d l4 11-17 ti

L4 ANSWER 11 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Insecticide resistance pattern in the selected strains of brown planthopper Nilaparvata lugens Stal in rice.

L4 ANSWER 12 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Phyto-sociological studies of rainy season weeds with special reference to Imperata cylindrica (L.) Raeuchl in Godavari delta.

L4 ANSWER 13 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Estimating diameter at breast height and basal diameter of trees from stump measurements in Nepal's lower temperate broad-leaved forests.

L4 ANSWER 14 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Microscopic analysis of honeys from a coastal district of Andhra Pradesh, India.

L4 ANSWER 15 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI A note on phlebotomid sandflies (Diptera: Phlebotomidae) from Krishna and West Godavari Districts of Andhra Pradesh.

L4 ANSWER 16 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI STRATIGRAPHIC APPRAISAL OF KOTA FLORA.

L4 ANSWER 17 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI 2 NEW SPECIES OF GODAVARITREMA NEW-GENUS TREMATODA OPECOELIDAE FROM FISHES.

=> d l4 1-10 ti

L4 ANSWER 1 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI PHENOLIC PROFILE IN SOME PETROCROPS.

L4 ANSWER 2 OF 17 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 1
TI Collection and conservation of tamarind (Tamarindus indica L.) - a multipurpose tree for livelihood of rural poor.

L4 ANSWER 3 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Productivity of rice fallow blackgram in Andhra Pradesh as influenced by variety and plant protection.

L4 ANSWER 4 OF 17 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Permian megaspores from Kachinapalli area, Godavari Graben, India.

L4 ANSWER 5 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Role of nutrients in the management of coconut eriophyid mite, Aceria guerreronis (K.).

L4 ANSWER 6 OF 17 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 2
TI Macrobenthos of Kakinada Bay in the Godavari delta, East coast of India: comparing decadal changes.

L4 ANSWER 7 OF 17 CABA COPYRIGHT 2009 CABI on STN
TI Seasonal incidence of pumpkin caterpillar Diaphania indica (Saunders) on cucumber in Krishna-Godavari zone.

L4  ANSWER 8 OF 17  CABA COPYRIGHT 2009 CABI on STN
TI  Studies on variability, correlation and path coefficient analysis for
    restorer lines in rice (Oryza sativa L.).

L4  ANSWER 9 OF 17  CABA COPYRIGHT 2009 CABI on STN
TI  Parental line improvement through indica x tropical japonica
    crosses in rice.

L4  ANSWER 10 OF 17  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on
    STN
TI  Ostracodes from the Inter-trappean beds (Early Paleocene) of the east
    coast of India.

=> d l4 3, 9 bib

L4  ANSWER 3 OF 17  CABA COPYRIGHT 2009 CABI on STN
AN  2008:28758  CABA
DN  20083007467
TI  Productivity of rice fallow blackgram in Andhra Pradesh as influenced by
    variety and plant protection
AU  Dattatri, K.; Hegde, M. R.; Sudhakar, N.; Reddy, K. M.; Reddy, G. R.
CS  Zonal Coordination Unit for TOT Projects (Zone-V), CRIDA Campus,
    Santoshnagar, Hyderabad - 500 059, India.
SO  Journal of Research ANGRAU, (2007) Vol. 35, No. 1, pp. 87-90. 2 ref.
    Publisher: Acharya N G Ranga Agricultural University. Hyderabad
    ISSN: 0970-0226
    URL: http://www.angrau.net
CY  India
DT  Journal
LA  English
ED  Entered STN: 7 Feb 2008
    Last Updated on STN: 7 Feb 2008

L4  ANSWER 9 OF 17  CABA COPYRIGHT 2009 CABI on STN
AN  2006:205650  CABA
DN  20063194578
TI  Parental line improvement through indica x tropical japonica
    crosses in rice
AU  Satyanarayana, P. V.; Rao, P. S.; Reddy, P. R.; Srinivas, T.; Madhuri, J.;
    Suneetha, Y.
CS  Agricultural Research Station, Maruteru, West Godavari District, Andhra
    Pradesh, India.
SO  Oryza, (2005) Vol. 42, No. 1, pp. 5-9. 11 ref.
    Publisher: Association of Rice Research Workers, Central Rice Research
    Institute. Cuttack
    ISSN: 0474-7615
CY  India
DT  Journal
LA  English
ED  Entered STN: 6 Dec 2006
    Last Updated on STN: 6 Dec 2006

=> d his

    (FILE 'HOME' ENTERED AT 01:14:24 ON 15 JAN 2009)

    FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
    01:14:58 ON 15 JAN 2009
L1           1 S INDICA AND (GODAVARI OR SALWEEN) AND (TRANSFORMED OR TRANSGEN
L2          20 S INDICA AND (GODAVARI OR SALWEEN)

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L3           19 S L2 NOT L1
L4           17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)

=> s indica and (transformed or transgenic)
L5         1314 INDICA AND (TRANSFORMED OR TRANSGENIC)

=> s indica and (mnsod or manganese(w)superoxide(w)dismutase)
L6           2 INDICA AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUTASE)

=> duplicate remove l6
DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L6
L7            2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)

=> d l7 1-2 ti

L7   ANSWER 1 OF 2  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
TI   Development of a virus-induced gene silencing system in pearl millet.

L7   ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2009 ACS on STN
TI   Superoxide dismutases of Azotobacter vinelandii and other aerobic,
     free-living nitrogen-fixing bacteria


=> s l7 and (transformed or transgenic)
L8           0 L7 AND (TRANSFORMED OR TRANSGENIC)

=> s (rice or oryza) and (mnsod or manganese(w)superoxide(w)dismutase)
L9          59 (RICE OR ORYZA) AND (MNSOD OR MANGANESE(W) SUPEROXIDE(W) DISMUTA
               SE)

=> duplicate remove l9
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L9
L10          29 DUPLICATE REMOVE L9 (30 DUPLICATES REMOVED)

=> d l10 1-10 ti

L10  ANSWER 1 OF 29     MEDLINE on STN                  DUPLICATE 1
TI   Catalase and superoxide dismutase activities in a Stenotrophomonas
     maltophilia WZ2 resistant to herbicide pollution.

L10  ANSWER 2 OF 29  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
TI   Catalase and superoxide dismutase activities in a Stenotrophomonas
     maltophilia WZ2 resistant to herbicide pollution.

L10  ANSWER 3 OF 29     MEDLINE on STN                  DUPLICATE 2
TI   Proteomic analysis of phosphoproteins regulated by abscisic acid in
     rice leaves.

L10  ANSWER 4 OF 29  CAPLUS  COPYRIGHT 2009 ACS on STN
TI   Quantitative analysis of auxin-regulated proteins from basal part of leaf
     sheaths in rice by two-dimensional difference gel
     electrophoresis

L10  ANSWER 5 OF 29     MEDLINE on STN                  DUPLICATE 3
TI   Proteomic analysis of reactive oxygen species (ROS)-related proteins in
     rice roots.

L10  ANSWER 6 OF 29  CAPLUS  COPYRIGHT 2009 ACS on STN DUPLICATE 4
```

TI Proteome analysis of proteins responsive to ambient and elevated ozone in rice seedlings

L10 ANSWER 7 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Unusual expression patterns of SODs in rice.

L10 ANSWER 8 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Unusual expression patterns of SODs in rice.

L10 ANSWER 9 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Protein oxidation in plant mitochondria detected as oxidized tryptophan.

L10 ANSWER 10 OF 29 MEDLINE on STN DUPLICATE 5
TI Molecular structure and organization of the wheat genomic manganese superoxide dismutase gene.

=> d l10 11-20 ti

L10 ANSWER 11 OF 29 MEDLINE on STN DUPLICATE 6
TI Enhanced drought tolerance of transgenic rice plants expressing a pea manganese superoxide dismutase.

L10 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
TI Rice conferring resistance to environmental stress by targeting manganese-containing superoxide dismutase (MnSOD) to the chloroplast

L10 ANSWER 13 OF 29 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 7
TI Kinetics of wound-induced activation of antioxidative enzymes in Oryza sativa: differential activation at different growth stages.

L10 ANSWER 14 OF 29 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 8
TI Mining the enzymes involved in the detoxification of reactive oxygen species (ROS) in sugarcane.

L10 ANSWER 15 OF 29 CABA COPYRIGHT 2009 CABI on STN
TI Plant gene register PGR 99-170. Cloning and characterization of manganese-superoxide dismutase gene from rice (Accession Number AB026725).

L10 ANSWER 16 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Expression and characterization of rice manganese superoxide dismutase in Escherichia coli.

L10 ANSWER 17 OF 29 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
TI Differential gene expressions of rice superoxide dismutase isoforms to oxidative and environmental stresses

L10 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 9
TI Salt tolerance of transgenic rice overexpressing yeast mitochondrial Mn-SOD in chloroplasts

L10 ANSWER 19 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Oxidative stress management-targeting MnSOD to the chloroplast.

L10 ANSWER 20 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Expression and characterization of rice superoxide dismutases in Arabidopsis.

=> d l10 11,12,17,18,19 bib

L10 ANSWER 11 OF 29 MEDLINE on STN DUPLICATE 6
AN 2005260290 MEDLINE
DN PubMed ID: 15900889
TI Enhanced drought tolerance of transgenic rice plants expressing a pea manganese superoxide dismutase.
AU Wang Fang-Zheng; Wang Qing-Bin; Kwon Suk-Yoon; Kwak Sang-Soo; Su Wei-Ai
CS Shanghai Institute of Plant Physiology and Ecology, Chinese Academy of Sciences, 300 Fenglin Road, Shanghai 200032, China.
SO Journal of plant physiology, (2005 Apr) Vol. 162, No. 4, pp. 465-72. Journal code: 9882059. ISSN: 0176-1617.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE) (RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200507
ED Entered STN: 20 May 2005
Last Updated on STN: 20 Jul 2005
Entered Medline: 19 Jul 2005

L10 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:515704 CAPLUS
DN 141:66201
TI Rice conferring resistance to environmental stress by targeting manganese-containing superoxide dismutase (MnSOD) to the chloroplast
IN Morawala Villoo, Patell
PA Avestha Gengraine Technologies Pvt. Ltd., India
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 2004053136 | A1 | 20040624 | WO 2002-IB5253 | 20021209 |
| | W: US | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR | | | | |
| | EP 1611242 | A1 | 20060104 | EP 2002-808218 | 20021209 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, CY, TR, BG, CZ, EE, SK | | | | |
| | US 20070006349 | A1 | 20070104 | US 2005-552887 | 20051012 |
| PRAI | WO 2002-IB5253 | W | 20021209 | | |

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ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 17 OF 29 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
AN 1999:30060612 BIOTECHNO
TI Differential gene expressions of rice superoxide dismutase isoforms to oxidative and environmental stresses
AU Kaminaka H.; Morita S.; Tokumoto M.; Masumura T.; Tanaka K.
CS K. Tanaka, Laboratory of Genetic Engineering, Faculty of Agriculture, Kyoto Prefectural University, Shimogamo, Kyoto 606-8522, Japan.
SO Free Radical Research, (1999), 31/SUPPL. (S219-S225), 25 reference(s)
CODEN: FRARER ISSN: 1071-5762
DT Journal; Conference Article
CY United Kingdom

LA  English
SL  English

L10  ANSWER 18 OF 29  CAPLUS  COPYRIGHT 2009 ACS on STN DUPLICATE 9
AN  1999:685938  CAPLUS
DN  132:33366
TI  Salt tolerance of transgenic rice overexpressing yeast mitochondrial Mn-SOD in chloroplasts
AU  Tanaka, Y.; Hibino, T.; Hayashi, Y.; Tanaka, A.; Kishitani, S.; Takabe, T.; Yokota, S.; Takabe, T.
CS  Faculty of Science and Technology, Department of Chemistry, Meijo University, Aichi, Nagoya, Japan
SO  Plant Science (Shannon, Ireland) (1999), 148(2), 131-138
CODEN: PLSCE4; ISSN: 0168-9452
PB  Elsevier Science Ireland Ltd.
DT  Journal
LA  English
RE.CNT  31  THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10  ANSWER 19 OF 29  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
AN  2003:144256  BIOSIS
DN  PREV200300144256
TI  Oxidative stress management-targeting MnSOD to the chloroplast.
AU  Davuluri, Ganga Rao [Reprint Author]; Chettoor Mathai, Antony; Nirmal, Rashmi; Azhagiri, Arun Kumar; Morawala Patell, Villoo
CS  Avesthagen Graine, Plant Genome Biology Laboratory, University of Agricultural Sciences, Basic Sciences Building, GKVK Campus, Bangalore, 560065, India
cmantsy@yahoo.com
SO  Plant Biology (Rockville), (1999) Vol. 1999, pp. 103. print.
Meeting Info.: Annual Meeting of the American Society of Plant Physiologists. Baltimore, Maryland, USA. July 24-28, 1999. American Society of Plant Physiologists (ASPP).
DT  Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA  English
ED  Entered STN: 19 Mar 2003
Last Updated on STN: 19 Mar 2003

=> d l10 21-29 ti

L10  ANSWER 21 OF 29  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
TI  Salinity, oxidative stress and antioxidant responses in shoot cultures of rice.

L10  ANSWER 22 OF 29  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
TI  Cloning and overexpression of manganese superoxide dismutase of rice in E. coli.

L10  ANSWER 23 OF 29  CABA COPYRIGHT 2009 CABI on STN  DUPLICATE 10
TI  Cloning and characterization of rice manganese superoxide dismutases.

L10  ANSWER 24 OF 29  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
TI  Rice manganese superoxide dismutase is encoded by a differentially regulated multigene family.

L10 ANSWER 25 OF 29 CABA COPYRIGHT 2009 CABI on STN
TI The value of photoprotection as a criterion for improving crop productivity.

L10 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 11
TI The effects of salt stress on superoxide dismutase in rice

L10 ANSWER 27 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Expression of the engineered yeast mitochondrial Mn-SOD gene in transgenic rice plants.

L10 ANSWER 28 OF 29 MEDLINE on STN DUPLICATE 12
TI Cloning and sequencing analysis of a complementary DNA for manganese-superoxide dismutase from rice (Oryza sativa L.).

L10 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
TI Induction of antioxidant enzymes as defense systems in plant cells against low temperature stress. (II). Manganese(2+)-induced SOD activation and enhancement of cold tolerance in rice seedlings

=> d l10 21,22,23,24,25,26,27,28,29 bib

L10 ANSWER 21 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
AN 1997:171318 BIOSIS
DN PREV199799477921
TI Salinity, oxidative stress and antioxidant responses in shoot cultures of rice.
AU Fadzilla, Nor'ani M. [Reprint author]; Finch, Robert P.; Burdon, Roy H. [Reprint author]
CS Dep. Biosci. Biotechnol., Univ. Strathclyde, Glasgow G4 0NR, UK
SO Journal of Experimental Botany, (1997) Vol. 48, No. 307, pp. 325-331. CODEN: JEBOA6. ISSN: 0022-0957.
DT Article
LA English
ED Entered STN: 24 Apr 1997
Last Updated on STN: 2 Jun 1997

L10 ANSWER 22 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
AN 1997:381103 BIOSIS
DN PREV199799680306
TI Cloning and overexpression of manganese superoxide dismutase of rice in E. coli.
AU Tzeng, Yin C.; Chen, Jyh C.; Pan, Shu-Mei
CS Dep. Bot., Natl. Taiwan Univ., Taipei, Taiwan
SO Plant Physiology (Rockville), (1997) Vol. 114, No. 3 SUPPL., pp. 154. Meeting Info.: PLANT BIOLOGY '97: 1997 Annual Meetings of the American Society of Plant Physiologists and the Canadian Society of Plant Physiologists, Japanese Society of Plant Physiologists and the Australian Society of Plant Physiologists. Vancouver, British Columbia, Canada. August 2-6, 1997. CODEN: PLPHAY. ISSN: 0032-0889.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 4 Sep 1997

Last Updated on STN: 4 Sep 1997

L10 ANSWER 23 OF 29 CABA COPYRIGHT 2009 CABI on STN DUPLICATE 10
AN 97:90810 CABA
DN 19971606814
TI Cloning and characterization of rice manganese superoxide dismutases
AU Chen JyhCheng; Wei DawShyng; Pan ShuMei; Chen, J. C.; Wei, D. S.; Pan, S. M.
CS Department of Botany, National Taiwan University, Taipei 106, Taiwan.
SO Taiwania, (1997) Vol. 42, No. 1, pp. 53-62. 29 ref.
ISSN: 0065-1125
DT Journal
LA English
SL Chinese
ED Entered STN: 15 Aug 1997
Last Updated on STN: 15 Aug 1997

L10 ANSWER 24 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
AN 1996:357864 BIOSIS
DN PREV199699080220
TI Rice manganese superoxide dismutase
is encoded by a differentially regulated multigene family.
AU Chen, Ching-Nen; Chen, Jyh-Cheng; Pan, Shu-Mei
CS Dep. Botany, Natl. Taiwan Univ., Taipei 10764, Taiwan
SO Plant Physiology (Rockville), (1996) Vol. 111, No. 2 SUPPL., pp. 47.
Meeting Info.: Annual Meeting of the American Society of Plant Physiologists. San Antonio, Texas, USA. July 27-31, 1996.
CODEN: PLPHAY. ISSN: 0032-0889.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 5 Aug 1996
Last Updated on STN: 6 Aug 1996

L10 ANSWER 25 OF 29 CABA COPYRIGHT 2009 CABI on STN
AN 97:11960 CABA
DN 19970700105
TI The value of photoprotection as a criterion for improving crop productivity
AU Counce, P. A.; Salin, M. L.; Tu, Z. P.; Black, C. C., Jr.
SO Research Series - Arkansas Agricultural Experiment Station, (1996) No. 453, pp. 25-31. 11 ref.
DT Journal
LA English
ED Entered STN: 10 Mar 1997
Last Updated on STN: 10 Mar 1997

L10 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 11
AN 1996:152257 CAPLUS
DN 124:226532
OREF 124:41853a,41856a
TI The effects of salt stress on superoxide dismutase in rice
AU Wei, Daw-Shyng; Shen, Chun-Pu; Pan, Shu-Mei
CS Department Botany, National Taiwan University, Taipei, Taiwan
SO Zhongguo Nongye Huaxue Huizhi (1995), 33(6), 747-55
CODEN: CKNHAA; ISSN: 0578-1736
PB Chinese Agricultural Chemical Society
DT Journal
LA Chinese

L10 ANSWER 27 OF 29 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
AN 1994:421862 BIOSIS
DN PREV199497434862
TI Expression of the engineered yeast mitochondrial Mn-SOD gene in transgenic rice plants.
AU Hayashi, Y. [Reprint author]; Watanabe, S.; Tanaka, T. [Reprint author]; Hayakawa, T. [Reprint author]; Shimamoto, K. [Reprint author]
CS Plantech Res. Inst., Yokohama, Japan
SO Asada, K. [Editor]; Yoshikawa, T. [Editor]. Int. Congr. Ser. - Excerpta Med., (1994) pp. 259-260. International Congress Series; Frontiers of reactive oxygen species in biology and medicine.
Publisher: Elsevier Science Publishers B.V., PO Box 211, Sara Burgerhartstraat 25, 1000 AE Amsterdam, Netherlands; Elsevier Science Publishing Co., Inc., P.O. Box 882, Madison Square Station, New York, New York 10159-2101, USA. Series: International Congress Series.
Meeting Info.: 6th International Conference on Superoxide and Superoxide Dismutase. Kyoto, Japan. October 11-15, 1993.
CODEN: EXMDA4. ISSN: 0531-5131. ISBN: 0-444-81778-6.
DT Book
Conference; (Meeting)
Book; (Book Chapter)
Conference; (Meeting Paper)
LA English
ED Entered STN: 3 Oct 1994
Last Updated on STN: 4 Oct 1994

L10 ANSWER 28 OF 29 MEDLINE on STN DUPLICATE 12
AN 1994120026 MEDLINE
DN PubMed ID: 8290649
TI Cloning and sequencing analysis of a complementary DNA for manganese-superoxide dismutase from rice (Oryza sativa L.).
AU Sakamoto A; Nosaka Y; Tanaka K
CS Department of Biochemistry, College of Agriculture, Kyoto Prefectural University, Japan.
SO Plant physiology, (1993 Dec) Vol. 103, No. 4, pp. 1477-8.
Journal code: 0401224. ISSN: 0032-0889.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
OS GENBANK-L19436
EM 199402
ED Entered STN: 12 Mar 1994
Last Updated on STN: 12 Mar 1994
Entered Medline: 18 Feb 1994

L10 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1992:3786 CAPLUS
DN 116:3786
OREF 116:747a
TI Induction of antioxidant enzymes as defense systems in plant cells against low temperature stress. (II). Manganese(2+)-induced SOD activation and enhancement of cold tolerance in rice seedlings
AU Hahn, Chang Kyun; Kim, Jong Pyung; Jung, Jin
CS Dep. Agric. Chem., Seoul Natl. Univ., Suwon, 441-744, S. Korea
SO Han'guk Nonghwa Hakhoechi (1991), 34(2), 168-73
CODEN: JKACA7; ISSN: 0368-2897
DT Journal
LA Korean

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=> d his

     (FILE 'HOME' ENTERED AT 01:14:24 ON 15 JAN 2009)

     FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
     01:14:58 ON 15 JAN 2009
L1             1 S INDICA AND (GODAVARI OR SALWEEN) AND (TRANSFORMED OR TRANSGEN
L2            20 S INDICA AND (GODAVARI OR SALWEEN)
L3            19 S L2 NOT L1
L4            17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
L5          1314 S INDICA AND (TRANSFORMED OR TRANSGENIC)
L6             2 S INDICA AND (MNSOD OR MANGANESE(W)SUPEROXIDE(W)DISMUTASE)
L7             2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)
L8             0 S L7 AND (TRANSFORMED OR TRANSGENIC)
L9            59 S (RICE OR ORYZA) AND (MNSOD OR MANGANESE(W)SUPEROXIDE(W)DISMUT
L10           29 DUPLICATE REMOVE L9 (30 DUPLICATES REMOVED)

=> s
pea(w)ribulose(w)1(w)5(w)bisphosphate(w)carboxylase(w)small(w)subunit(w)transit(w)pe
ptide and (rice or oryza)
L11            0 PEA(W) RIBULOSE(W) 1(W) 5(W) BISPHOSPHATE(W) CARBOXYLASE(W) SMAL
                 L(W) SUBUNIT(W) TRANSIT(W) PEPTIDE AND (RICE OR ORYZA)

=> s cassava(w)vein(w)mosaic(w)virus(s)promoter(s)(rice or oryza)
L12           10 CASSAVA(W) VEIN(W) MOSAIC(W) VIRUS(S) PROMOTER(S)(RICE OR ORYZA)


=> duplicate remove l12
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):y
ENTER FILE NAMES OF DUPLICATES TO KEEP:medline
PROCESSING COMPLETED FOR L12
L13            5 DUPLICATE REMOVE L12 MEDLINE  (5 DUPLICATES REMOVED)

=> duplicate remove l12
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L12
L14            5 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)

=> d l14 1-15 ti

L14  ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2009 ACS on STN
TI   Cassava vein mosaic virus promoter-regulated hydroxphenyl pyruvate
     dioxygenase gene and herbicide-resistant transgenic plants

L14  ANSWER 2 OF 5  CABA COPYRIGHT 2009 CABI on STN
TI   Functional analysis of the 5[prime] untranslated region of the sucrose
     phosphate synthase rice gene (sps1).

L14  ANSWER 3 OF 5  CAPLUS  COPYRIGHT 2009 ACS on STN
TI   A synthetic promoter for expression of foreign genes in plant green and
     vascular tissue using elements from commelina yellow mottle virus and
     cassava vein mosaic virus promoters

L14  ANSWER 4 OF 5  CABA COPYRIGHT 2009 CABI on STN
TI   The cassava vein mosaic virus promoter: a new promoter for cassava genetic
     engineering.

L14  ANSWER 5 OF 5     MEDLINE on STN                    DUPLICATE 1
```

TI Isolation and expression in transgenic tobacco and rice plants, of the cassava vein mosaic virus (CVMV) promoter.

=> d l14 1-2 bib

L14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:492338 CAPLUS
DN 141:48553
TI Cassava vein mosaic virus promoter-regulated hydroxphenyl pyruvate dioxygenase gene and herbicide-resistant transgenic plants
IN Ferullo, Jean Marc; Sailland, Alain; Schmitt, Frederic; Paget, Eric Paul Christian
PA Bayer Cropscience S.A., Fr.
SO Fr. Demande, 48 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | FR 2848571 | A1 | 20040618 | FR 2002-15696 | 20021212 |
| | WO 2004053135 | A2 | 20040624 | WO 2003-EP15009 | 20031210 |
| | WO 2004053135 | A3 | 20040902 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2003302810 | A1 | 20040630 | AU 2003-302810 | 20031210 |
| PRAI | FR 2002-15696 | A | 20021212 | | |
| | WO 2003-EP15009 | W | 20031210 | | |

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 5 CABA COPYRIGHT 2009 CABI on STN
AN 2003:148468 CABA
DN 20033121982
TI Functional analysis of the 5[prime] untranslated region of the sucrose phosphate synthase rice gene (sps1)
AU Martinez-Trujillo, M.; Limones-Briones, V.; Chavez-Barcenas, T.; Herrera-Estrella, L.
CS Departamento de Ingenieria Genetica de Plantas, Centro de Investigacion y de Estudios Avanzados del Instituto Politecnico Nacional, Unidad Irapuato, Apartado Postal 629, Km 9.6 carretera Irapuato-Leon, Irapuato, Guanajuato 36500, Mexico. lherrera@ira.cinvestav.mx
SO Plant Science, (2003) Vol. 165, No. 1, pp. 9-20. 48 ref.
Publisher: Elsevier Science Ltd. Oxford
ISSN: 0168-9452
CY United Kingdom
DT Journal
LA English
ED Entered STN: 16 Sep 2003
Last Updated on STN: 16 Sep 2003

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=> d his

     (FILE 'HOME' ENTERED AT 01:14:24 ON 15 JAN 2009)

     FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
     01:14:58 ON 15 JAN 2009
L1             1 S INDICA AND (GODAVARI OR SALWEEN) AND (TRANSFORMED OR TRANSGEN
L2            20 S INDICA AND (GODAVARI OR SALWEEN)
L3            19 S L2 NOT L1
L4            17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
L5          1314 S INDICA AND (TRANSFORMED OR TRANSGENIC)
L6             2 S INDICA AND (MNSOD OR MANGANESE(W)SUPEROXIDE(W)DISMUTASE)
L7             2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)
L8             0 S L7 AND (TRANSFORMED OR TRANSGENIC)
L9            59 S (RICE OR ORYZA) AND (MNSOD OR MANGANESE(W)SUPEROXIDE(W)DISMUT
L10           29 DUPLICATE REMOVE L9 (30 DUPLICATES REMOVED)
L11            0 S PEA(W)RIBULOSE(W)1(W)5(W)BISPHOSPHATE(W)CARBOXYLASE(W)SMALL(W
L12           10 S CASSAVA(W)VEIN(W)MOSAIC(W)VIRUS(S)PROMOTER(S)(RICE OR ORYZA)
L13            5 DUPLICATE REMOVE L12 MEDLINE  (5 DUPLICATES REMOVED)
L14            5 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)

=> s
(PEA(W)RIBULOSE(W)1(W)5(W)BISPHOSPHATE(W)CARBOXYLASE)(s)(small(w)subunit)(p)rice or
oryza)
UNMATCHED RIGHT PARENTHESIS 'ORYZA)'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s
(PEA(W)RIBULOSE(W)1(W)5(W)BISPHOSPHATE(W)CARBOXYLASE)(s)(small(w)subunit)(p)(rice
or oryza)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'SUBUNIT)(P)(RICE'
L15            0 (PEA(W) RIBULOSE(W) 1(W) 5(W) BISPHOSPHATE(W) CARBOXYLASE)(S)(SM
                 ALL(W) SUBUNIT)(P)(RICE OR ORYZA)

=> s (pea or pisum)(s)(small(w)subunit)(p)(rice or oryza)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'SUBUNIT)(P)(RICE'
L16            4 (PEA OR PISUM)(S)(SMALL(W) SUBUNIT)(P)(RICE OR ORYZA)

=> duplicate remove l16
DUPLICATE PREFERENCE IS 'MEDLINE, CABA, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L16
L17            3 DUPLICATE REMOVE L16 (1 DUPLICATE REMOVED)

=> d l17 1-3 ti

L17  ANSWER 1 OF 3     MEDLINE on STN                    DUPLICATE 1
TI   Bioengineered 'golden' indica rice cultivars with beta-carotene metabolism
     in the endosperm with hygromycin and mannose selection systems.

L17  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2009 ACS on STN
TI   Rubisco assembly in higher plant and characterization of its intermediates

L17  ANSWER 3 OF 3  CABA COPYRIGHT 2009 CABI on STN
TI   Cloning of rice rbcS precursor cDNA and the import of its in vitro
     synthesised products into intact chloroplasts from pea.


=> d l17 1 bib
```

L17 ANSWER 1 OF 3 MEDLINE on STN DUPLICATE 1
AN 2006711900 MEDLINE
DN PubMed ID: 17147745
TI Bioengineered 'golden' indica rice cultivars with beta-carotene metabolism in the endosperm with hygromycin and mannose selection systems.
AU Datta Karabi; Baisakh Niranjan; Oliva Norman; Torrizo Lina; Abrigo Editha; Tan Jing; Rai Mayank; Rehana Sayda; Al-Babili Salim; Beyer Peter; Potrykus Ingo; Datta Swapan K
CS International Rice Research Institute, Plant Breeding, Genetics, and Biochemistry Division, DAPO Box 7777, Metro Manila, Philippines.
SO Plant biotechnology journal, (2003 Mar) Vol. 1, No. 2, pp. 81-90. Journal code: 101201889. E-ISSN: 1467-7652.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS NONMEDLINE; PUBMED-NOT-MEDLINE
EM 200707
ED Entered STN: 7 Dec 2006
Last Updated on STN: 3 Jul 2007
Entered Medline: 2 Jul 2007

=> d l17 kwic

L17 ANSWER 1 OF 3 MEDLINE on STN DUPLICATE 1
AB Vitamin-A deficiency (VAD) is a major malnutrition problem in South Asia, where indica rice is the staple food. Indica-type rice varieties feed more than 2 billion people. Hence, we introduced a combination of transgenes using the biolistic system of transformation enabling biosynthesis of provitamin A in the endosperm of several indica rice cultivars adapted to diverse ecosystems of different countries. The rice seed-specific glutelin promoter (Gt-1 P) was used to drive the expression of phytoene synthase (psy), while lycopene beta-cyclase (lcy) and phytoene desaturase (crtI), fused to the transit peptide sequence of the pea-Rubisco small subunit, were driven by the constitutive cauliflower mosaic virus promoter (CaMV35S P). Transgenic plants were recovered through selection with either CaMV35S. . . isomerase) gene. Molecular and biochemical analyses demonstrated stable integration and expression of the transgenes. The yellow colour of the polished rice grain evidenced the carotenoid accumulation in the endosperm. The colour intensity correlated with the estimated carotenoid content by spectrophotometric and. . . the genome. This is the first report of using nonantibiotic pmi driven by a novel promoter in generating transgenic indica rice for possible future use in human nutrition.

=> d his

(FILE 'HOME' ENTERED AT 01:14:24 ON 15 JAN 2009)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 01:14:58 ON 15 JAN 2009
L1 1 S INDICA AND (GODAVARI OR SALWEEN) AND (TRANSFORMED OR TRANSGEN
L2 20 S INDICA AND (GODAVARI OR SALWEEN)
L3 19 S L2 NOT L1
L4 17 DUPLICATE REMOVE L3 (2 DUPLICATES REMOVED)
L5 1314 S INDICA AND (TRANSFORMED OR TRANSGENIC)
L6 2 S INDICA AND (MNSOD OR MANGANESE(W)SUPEROXIDE(W)DISMUTASE)
L7 2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)
L8 0 S L7 AND (TRANSFORMED OR TRANSGENIC)

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L9            59 S (RICE OR ORYZA) AND (MNSOD OR MANGANESE(W)SUPEROXIDE(W)DISMUT
L10           29 DUPLICATE REMOVE L9 (30 DUPLICATES REMOVED)
L11            0 S PEA(W)RIBULOSE(W)1(W)5(W)BISPHOSPHATE(W)CARBOXYLASE(W)SMALL(W
L12           10 S CASSAVA(W)VEIN(W)MOSAIC(W)VIRUS(S)PROMOTER(S)(RICE OR ORYZA)
L13            5 DUPLICATE REMOVE L12 MEDLINE  (5 DUPLICATES REMOVED)
L14            5 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)
L15            0 S (PEA(W)RIBULOSE(W)1(W)5(W)BISPHOSPHATE(W)CARBOXYLASE)(S)(SMAL
L16            4 S (PEA OR PISUM)(S)(SMALL(W)SUBUNIT)(P)(RICE OR ORYZA)
L17            3 DUPLICATE REMOVE L16 (1 DUPLICATE REMOVED)

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               187.80     188.02

STN INTERNATIONAL LOGOFF AT 01:33:36 ON 15 JAN 2009
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